

U.S. Naval Base, Pearl Harbor, Pier S4-S5
(U.S. Naval Base, Pearl Harbor, Naval Submarine Base)
Between Quarry and Magazine Loch at Intersection of
Waterfront & Craig Streets
Pearl Harbor
Honolulu County
Hawaii

HAER
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PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

Historic American Engineering Record
National Park Service
Western Region
Department of the Interior
San Francisco, California 94107

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HISTORIC AMERICAN ENGINEERING RECORD

U.S. Naval Base, Pearl Harbor, Pier S4-S5
(U.S. Naval Base, Pearl Harbor, Naval Submarine Base)

HAER No. HI-26

Location: Extends southwest into the harbor from the intersection of Waterfront Street and Craig Street at the triangular peninsula between Quarry and Magazine Loch, Pearl Harbor, Honolulu County, Hawaii

USGS Pearl Harbor Quadrangle, Hawaii
7.5 minutes series (orthophotoquad)
Universal Transverse Mercator coordinates
4.609240.2362070 (Scale 1:24,000)

Date of Construction: 1944

Present Owner: U.S. Naval Submarine Base

Present Use: Pier S4-S5 is a berthing facility used exclusively
Submarine berthing.

Significance: The Naval Base at Pearl Harbor was designated as a National Historic Landmark in 1964, due to the crucial role it played in the Nation's defense during the twentieth century and the calamitous events which occurred on December 7, 1941. As a Category 3 historic structure, it has been determined that Pier S4-S5 functioned as part of the Pearl Harbor Naval Base, and is only of minor importance to the historic character of the National Historic Landmark.

Report Prepared by: Warren Yap, Architect
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Project Development Branch
Pearl Harbor, Hawaii 96860-5470

Date: August 1995

- I. DESCRIPTION: Pier S4-S5 is a berthing facility used exclusively for submarine berthing. Pier S4-S5 consists of reinforced concrete deck, bents, beams and 16.5 inch octagonal concrete piles, and a wood fender system. The Pier S4/S5 is 38-foot wide by 337-foot long with an area of 1434 square yards and average 8-foot high above the water surface. There are 20 bents at varies spacing, and two timber dolphins (bumper guards), each made of seven piles, at the end of the pier.

- II. HISTORY: Pier S4-S5 was built in 1944 as a 18-foot wide by 250-foot long pier. The pier was then widened and extended in 1983, and became 38-foot wide by 337-foot long with a section of pier, 54-foot from the wharf, still remaining 18-foot wide.

In 1992, Special Project R8-89 "REPAIR PIER S4-S5", repaired spalled and cracked concrete piles, caps, bents, beams and deck.

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- III. PROJECTS: Programmed for Fiscal Year 1997, Military Construction Project P-097 "RECONSTRUCT PIER S8-S9" proposes to demolish existing pier S4-S5 and S8-S9, and construct a new 80-foot wide by 780-foot long, reinforced concrete pier on concrete piles with capacity to support 100-ton mobile crane operations. This project also includes utilities, fire alarm, wastewater collection, approach apron and small boat landing.

